

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael D. Borenstein

Application No.: 10/630,458

Group Art Unit: Not Assigned

Filed: July 30, 2003

Examiner: Not Assigned

Confirmation No.:

Title: APPARATUS AND METHODS FOR HEAT LOSS PRESSURE MEASUREMENT

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
09/25/03	<i>Ellen T. Spear</i>
Date	Signature
<i>Ellen T. Spear</i>	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☒ Copies of the cited references are enclosed.
  - ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☒ The "concise explanation" requirement (non-English references) for references AL, AM and AP under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☒ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action in a related foreign counterpart.
    - ☒ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
 \_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]  
 \_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

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Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

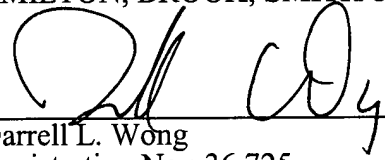
Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

  
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Concord, MA 01742-9133

Dated: 9/25/2003

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
0100.1019-018APPLICATION NO.  
10/630,458INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

September 25, 2003

(Use several sheets if necessary)

APPLICANT  
Michael D. BorensteinFILING DATE  
July 30, 2003

CONFIRMATION NO.

GROUP

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AA	1,448,540	03/13/1923	Houskeeper
	AB	1,668,106	05/01/1928	Dällenbach
	AC	1,778,508	10/14/1930	Peoples
	AD	1,873,984	08/30/1932	Sieber
	AE	2,938,387	05/31/1960	Hamilton
	AF	3,199,356	08/10/1965	Andriulis
	AG	3,580,081	05/25/1971	Greenberg, et al.
	AH	4,106,350	08/15/1978	Morris, et al.
	AI	4,541,286	09/17/1985	Holme
	AJ	4,682,503	07/28/1987	Higashi, et al.
	AK	4,736,155	04/05/1988	McBrien
	AA2	4,995,264	02/26/1991	Stocker, et al.
	AB2	5,079,954	01/14/1992	O'Neal, III
	AC2	5,184,500	02/09/1993	Krema, et al.
	AD2	5,347,869	09/20/1994	Shie, et al.
	AE2	5,557,972	09/24/1996	Jacobs, et al.
	AF2	5,597,957	01/28/1997	Schieferdecker, et al.
	AG2	5,608,168	03/04/1997	Schoroth
	AH2	5,668,320	09/16/1997	Cowan
	AI2	5,693,888	12/02/1997	Enderes, et al.
	AJ2	US 6,474,172 B1	11/05/2002	Rolff, et al.
	AK2	6,023,979	02/15/2000	Bills, et al.
	AA3	4,279,147	07/21/1981	Djorup
	AB3	4,787,251	11/29/1988	Kolodjski
	AC3			

EXAMINER

DATE CONSIDERED

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(Use several sheets if necessary)

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Michael D. BorensteinFILING DATE  
July 30, 2003

CONFIRMATION NO.


GROUP

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AL	1,094,341 /	08-DEC-1960	Germany		X
	AM	1,648,592 /	01-APR-1971	Germany		X
	AN	GB 2,105,047 A /	16-MAR-1983	Great Britain		
	AO	GB 2,105,472 A /	23-MAR-1983	Great Britain		
	AP	SU 1675710-A1 /	07-SEP-1991	Russia (abstract provided)		
	AQ	EP 0 893 677 A1 /	27-JAN-1999	Europe		
	AL2					
	AM2					
	AN2					
	AO2					
	AP2					
	AQ2					
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EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 0100.1019-018	APPLICATION NO. 10/630,458	
 <p>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</p> <p>September 25, 2003</p> <p>(Use several sheets if necessary)</p>		APPLICANT Michael D. Borenstein		
		FILING DATE July 30, 2003	CONFIRMATION NO.	GROUP

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Milner, C. J., "Fast, thermostatic Pirani gauge," <i>Rev. Sci. Instrum.</i> 54(7): 890-893 (July 1983).
AS	Alvesteffer, W. J., <i>et al.</i> , "Miniaturized thin film thermal vacuum sensor," <i>J. Vac. Sci. Technol. A</i> 13(6), 2980-2985 (Nov/Dec 1995).
AT	von Dardel, G., "Combined Pirani and ionization gauge circuit," <i>J. Sci. Instrum.</i> , 30: 114-117 (April 1953).
AU	Leck, J. H., "Thermal Conductivity Gauges." In <i>Pressure Measurement in Vacuum</i> , Chapman and Hall: London, pp. 40-67 (1964).
AV	
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